Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

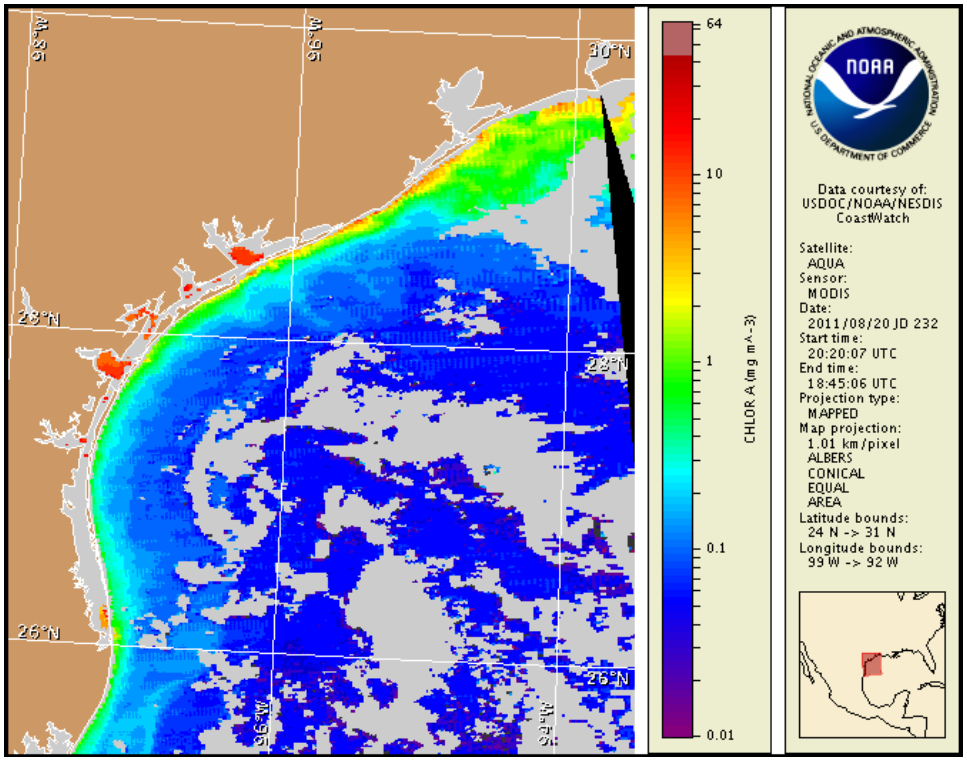
Monday, 22 August 2011

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, August 15, 2011



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 12 to 17 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

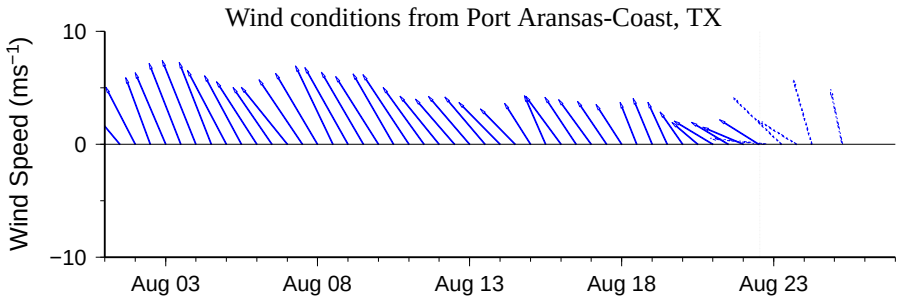
Conditions Report

There is currently no indication of a harmful algal bloom at the coast in Texas. No impacts are expected alongshore Texas today through Sunday, August 28.

Analysis

There is currently no indication of a harmful algal bloom along the coast of Texas. In recent imagery (MODIS, 8/20; shown at left), patches of elevated chlorophyll (2- 9 μg/L) are visible along- and offshore from Sabine Pass to the Pass Cavallo region. Elevated chlorophyll present at the coast is likely due to the resuspension of benthic chlorophyll and sediments and not related to a harmful algal bloom. Forecast models indicate a negligible transport (<10 km) along the coast from Port Aransas from August 20 to 25.

Kavanaugh, Derner

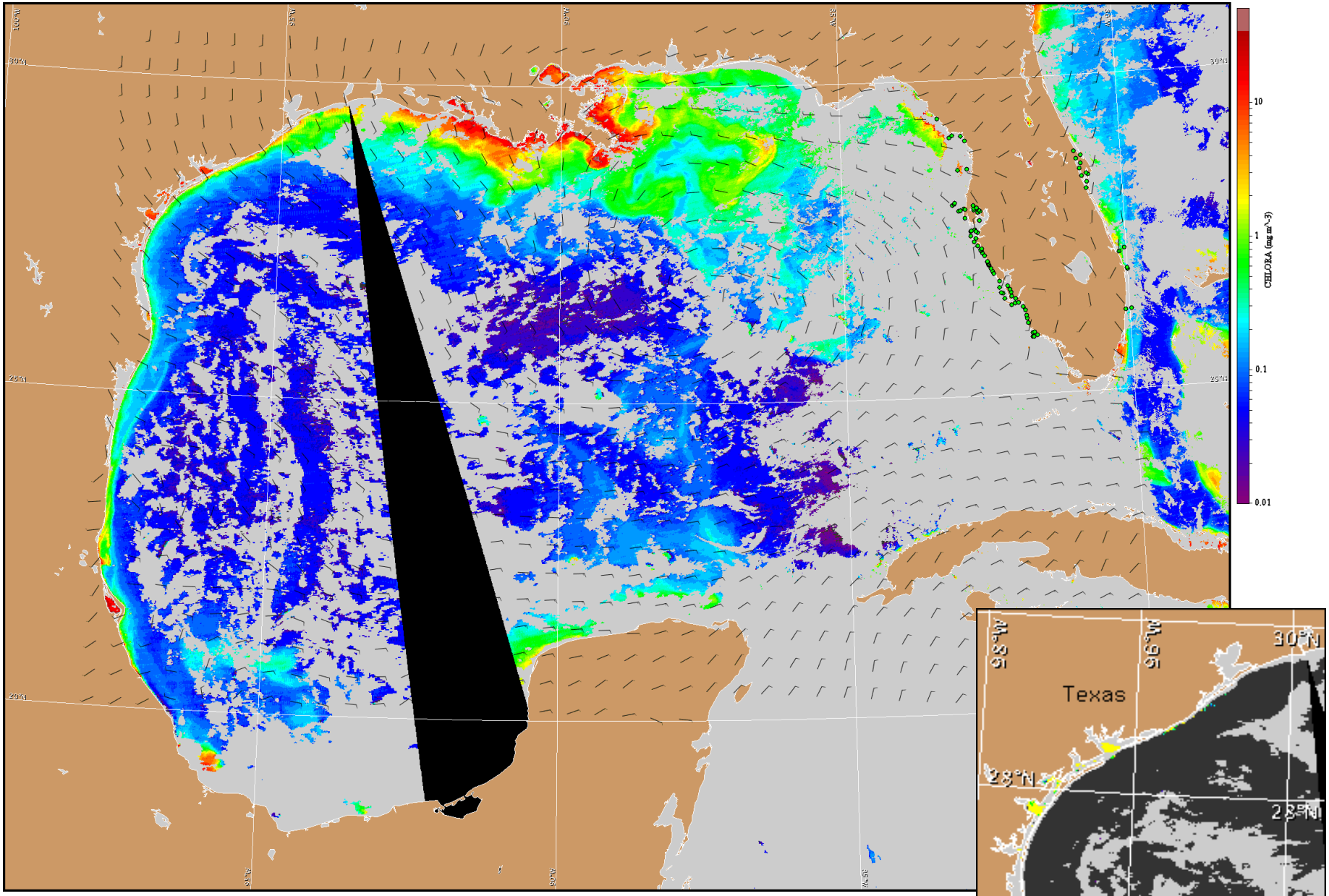


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

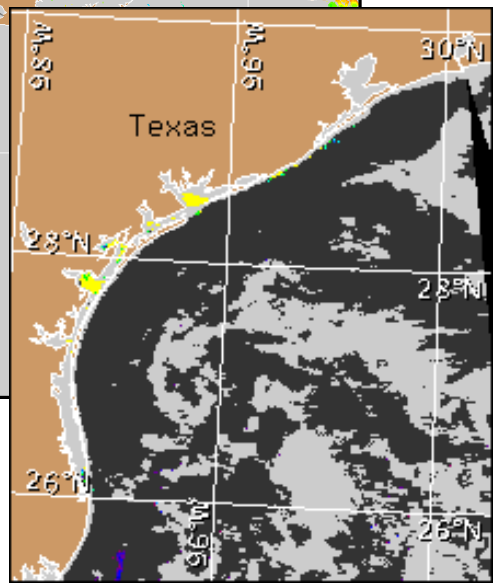
Wind Analysis

Port Aransas: Southeast to east winds (5-15 kn, 3-8 m/s) through this evening. South to southeast winds (5-15 kn) Tuesday through Thursday. East winds (5-10 kn, 3-5 m/s) Friday becoming south.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA Harmful Algal Bloom Operational Forecast System bulletin archive: http://tidesandcurrents.noaa.gov/hab/bulletins.html



Satellite chlorophyll image and forecast winds for August 23, 2011 06Z with cell concentration sampling data from August 12 to 17 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:
http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf



Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).